

THE CHEMIST

National Chemistry Week

The Puget Sound Chemist

Volume 79 No. 10 - October 2018



Chemistry Is Out Of This World! – NCW 2018

October 21st – 27th, 2018



ACS
Chemistry for Life®

Newsletter of the Puget Sound Section
of the American Chemical Society



From the Editor

THE PUGET SOUND CHEMIST

Newsletter of the
Puget Sound Section
of the
American Chemical Society

American Chemical Society Website

<http://acs.org>

Puget Sound Section Website

<http://pugetsound.sites.acs.org>

Please address general email
correspondence to:

info@pugetsound.sites.acs.org

National Chemistry Week

National Chemistry Week (NCW) is a celebration of how chemistry impacts our lives. The theme for this year's NCW is "Chemistry is out of this world!" and the focus is on chemistry of outer space. Explore the [ACS NCW website](#) to find more information and view ACS publications of [Celebrating Chemistry](#).

Mole Day, on October 23rd, commemorates Avogadro's Number (6.02×10^{23}). The ACS website has resources and info about Mole Day on the [Mole Day webpage](#). There's also that one [video](#)...

Dr. Ranil Dhammapala, an Atmospheric Scientist with the Washington State Department of Ecology, will speak on the topic of 'How do we manage Washington's air quality?' on October 30th, 2018 (starting at 6 PM) at The Evergreen State College in Olympia, WA. There will be dinner following the talk at the Budd Bay Cafe. The talk is free and open to the public, but please RSVP for dinner reservations by October 16th, 2018 to Dr. Dharshi Bopegedera at: bopegedd@evergreen.edu or (360) 867-6620. Read more on [page 8](#).

Cheers!



Jonathan Clark

Newsletter Editor

Contents

- 1 [From the Editor](#)
- 2 [Contents](#)
- 3 [Calendar](#)
- 4 [News Briefs](#)
- 14 [Science Cafés](#)
- 15 [Younger Chemists Committee](#)
- 16 [Mark Your Calendar](#)
- 20 [Careers](#)
- 22 [Roster](#)



Calendar – October 2018

Calendar of Events - <http://pugetsound.sites.acs.org/calendar.htm>

8 October 2018 – Executive Committee Meeting

Time: 7:00pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103

Room 2328C - South end of the 2nd floor of the Instruction Building (IB)

Campus Map: <https://northseattle.edu/locator>

30 October 2018 – Ranil Dhammapala Speaker Event & Dinner

Time: 5:30pm – 9:00pm

Location: The Evergreen State College, Purce Hall – Lecture Hall 1, 2700 Evergreen Parkway NW
Olympia, Washington 98505

21-27 October 2018 – National Chemistry Week

23 October 2018 – Mole Day

Puget Sound Section

News Briefs

Dr. Mark Wicholas Symposium

A Celebration of **LEGACY**



DR. MARK WICHOLAS

1940-2017

**Kindly Save the Dates:
October 5 & 6, 2018**

We will be holding a symposium at Western this fall to celebrate Mark's legacy. Details to follow in August.

Dr. Mark Wicholas joined the WWU Chemistry Department in 1967 and served as Department Chair from 1982 to 2007. Dr. Wicholas died on November 20, 2017.

Throughout his career, Dr. Wicholas served as a mentor to students interested in research and published several papers with them. In his words, "*The one-on-one mentoring of students in research is the most important thing we can do in preparing them for future careers in science.*"



News Briefs

JCDREAM Symposium in Everett, WA

The Joint Center for Deployment and Research on Earth Abundant Materials (JCDREAM) will be holding a symposium in Everett on Oct 8 with the themes of materials for transportation and renewable energy. Agenda is below. Registration is free.

Register Here:

<https://www.eventbrite.com/e/jcdream-symposium-tickets-49405413923>

2018 JCDREAM Symposium
Joint Center for Deployment and Research in
Earth Abundant Materials

October 8, 2018

Washington State Univ, Everett
915 North Broadway
Everett, WA 98201-1390



Welcome from WA State Representative Norma Smith

Keynote Speaker: Mr. Jim Sims, VP NioCorp
Former White House Director of Communications for the Energy Policy Development Group, and former Board Chairman of the Rare Earth Technology Alliance.

Hear from researchers and industry leaders including:

Prof. Dan Schwartz, *Director of the Clean Energy Institute, UW*
Dr. Christian Mailhot, *Sr Manager, Sandia Natl. Lab, Livermore*

Many others from WSU, UW, WWU, and PNNL with a Poster Session featuring **student presenters**

Registration is free of charge and we encourage pre-registration at the Eventbrite website:
<https://www.eventbrite.com/e/jcdream-symposium-tickets-49405413923>

News Briefs

2018 Elections for ACS Puget Sound Section Executive Offices

Nominations and Elections Tentative Timeline

Call for nominations	April 1 st – August 31 st
Voting (mail and online)	~October 15 th – November 4 th
Election Validated	By November 12 th

Nominating Committee

Karen Goodwin, Nominations Committee Chair
Greg Milligan
David Munch
David Patrick

Questions?

Send any questions via email to: elections@pugetsound.sites.acs.org

News Briefs

National Chemistry Week 2018



National Chemistry Week (NCW) is a celebration of how chemistry impacts our lives. The theme for this year's NCW is "Chemistry is out of this world!" and the focus is on chemistry of outer space. Explore the [ACS NCW website](#) to find more information and view ACS publications of [Celebrating Chemistry](#).

National Chemistry Week Coordinator, Roxi Hulet Smith, was awarded an "Explore Science: Let's Do Chemistry!" kit from the NSF-funded NISE Network. The kit contains materials for students to complete nine different experiments connected to this year's National Chemistry Week theme, including launching small rockets and building a battery. The kit will be used this fall to support the annual NCW partnership between Skagit Valley College, LaVenture Middle School, and Mount Baker Middle School in Mount Vernon. Information about the Explore Science kit can be found at their website: <http://www.nisenet.org/chemistry-kit>

News Briefs

Speaker Event in Olympia – October 30th, 2018



Dr. Ranil Dhammapala
Atmospheric Scientist
Washington State Department of Ecology

will speak on

How do we manage Washington's air quality?

October 30, 2018 at 6 PM
The Evergreen State College, Purce Hall – Lecture Hall 1
Free and open to the public

Dinner with the speaker following the talk at The Budd Bay Cafe
(<http://www.buddbaycafe.com/> - Reservations under “Evergreen”)

Abstract

Question: What do industrial emissions, wildfires, wood smoke, agricultural residue burning, stagnant air, temperature inversions, windstorms and hot summer days with east winds have in common?

Answer: Various combinations of these phenomena result in poor air quality in different parts of Washington.

Though we do not face the same air quality concerns affecting Beijing, LA or the East Coast, we still have our share of challenges to deal with. A 2009 study we conducted found that about 1100 premature deaths in WA can be attributed to fine particle pollution. No one will refute the health concerns we all had when wildfires smoked out every corner of the state for two summers in a row. However not all air pollution is created equal; different pollutants affect human health in different ways, requiring different control methods. Several disciplines such as chemistry, meteorology, engineering, statistics, toxicology, computer science, GIS and communications must be brought to bear when managing air quality. This presentation will discuss various technical tools used to understand, measure, simulate, mitigate and communicate air quality impacts in the state.

RSVP for dinner reservations by 10/16/2018 to Dr. Dharshi Bopegedera at:
bopegedd@evergreen.edu or (360) 867-6620

Please pay for parking (cost is \$2) at the Parking Booth. Lot B provides easy access to Purce Hall.
Driving directions to Evergreen at: www.evergreen.edu/tour/gethere.htm

Sponsored by: Academic Programs at The Evergreen State College (Matter and Motion, Environmental Analysis, Physical Systems and Applied Mathematics), The Evergreen Chemistry Club, and the Puget Sound Section of the ACS



News Briefs

Safety Committee - ACS Puget Sound Section

Chair: Natalie Merrill, ACS Fifth Alternate Councilor and Safety Committee Chair

October finds us with “back to school” safety and planning for laboratory safety with Ralph Morasch, Pierce College owner of the Lab Managers List serv. Lab managers in colleges and universities across Washington State have an Inservice event coming up January 3rd or 4th 2019. Email Ralph Morasch <rmorasch@pierce.ctc.edu> if you would like to be added to the list serv, which includes academic lab techs and lab managers, and occasional high school teachers or college professors, or others interested in various aspects of safety in the sciences. We met September 26th. Stay tuned for more details next month.

Back to School Safety Updates: Please see the newly posted Importance of Laboratory Safety in the Classroom, and Laboratory Safety for Secondary Schools at our National ACS Website:

https://www.acs.org/content/acs/en/chemical-safety.html?cid=home_trending

Also, the results are in from the 2018 safety summit. See the discussion topics here:

<https://www.acs.org/content/acs/en/about/governance/committees/chemicalsafety/advisory-panel/2018-summit-findings.html>

Join us! If you would like to participate, or if you have safety interests or potential needs, please reach out to us at the email contact information below, and join your local ACS Safety Committee. Our Puget Sound Safety Committee is modeled after our National ACS Committee on Chemical Safety, to promote safety through education and best practices in academia and industry.

News Briefs

Safety Committee (continued)

Safety is everybody's business.

[OSHA's Page on Laboratory Safety](#) - Skip to the lower right, Highlights section where you can download the Laboratory Safety - Chemical Hygiene Plan, and the Laboratory Safety Guidance complete booklet on Laboratory Safety Compliance.

[ACS Weblink to Safety Resources for All Chemical Activities](#) - Be safe. Be informed.

[ACS Chemical Safety Committee Website](#) - Featuring Safety References and Publications for ACS Members. Refer to ACS best practices rather than having to 're-invent the wheel' as they say.

We look forward to tailoring the activities of our Puget Sound Safety Committee to the needs of our members, so please don't hesitate to reach out with your input or needs, by emailing the chair at the contact email(s) given above. Wishing everyone a safe month in May!

--Natalie Merrill

Natalie.Merrill@outlook.com, namerrill@gmail.com

Sustainability Committee - ACS Puget Sound Section

In September news, our Sustainability Committee sent a representative to the AWIS September meeting this month at the Fred Hutchinson Cancer Research Center. We look forward to budgeting for shared events in the upcoming year.

Welcome back to school! Sustainability Toolkits to aid educators and scientists are created and maintained by ACS at this link:

https://www.acs.org/content/acs/en/sustainability.html?_ga=2.262035470.2050461968.1527293362-745447605.1515105266

Please check the link above for classroom resources and featured content on Climate Science and Sustainable Energy.

Sustainability Committee Chair: Natalie Merrill

News Briefs

Awards and Scholarships Info

The ACS Puget Sound Section Education Committee offers the following awards and scholarships:

- **2-year and 4-year college student scholarships, \$1500.**
The application deadline for 2018 was March 15.
- **High School Teacher of the Year Award, \$250.**
The application deadline for 2018 was April 30.
- **ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$400.**
Applications are accepted until funds are spent.
- **K-12 Educator Grants, up to \$500.**
Applications are accepted until funds are spent.

For more details and applications, visit our page at

<http://pugetsound.sites.acs.org/scholarshipsandawards.htm>

The committee welcomes new members! Please contact us if you are interested in joining. Our email address is: educationcommittee@pugetsound.sites.acs.org

Our current committee members are: Leonard Andrews, Sailaja Arungundram, Clarita Bhat, Gwen Gross, Jennie Mayer (Chair), David Munch, Despina Strong, Alicia Taylor, Lauren Wugalter, Amar Yahiaoui and Kirby Zornes

News Briefs

Photos from the 50/60/70 Year Member Awards Banquet



News Briefs

ACS Career Resources

<https://www.acs.org/content/acs/en/careers.html>

Many opportunities and career resources are available on the ACS website for ACS members! Check them out!



2018 Heroes of Chemistry Award

[Heroes of Chemistry](#) is an annual award sponsored by the American Chemical Society that recognizes talented industrial chemical scientists whose work has led to the development of successful commercialized products ingrained with chemistry for the benefit of humankind.

Nominations for the 2018 Heroes of Chemistry Award are now closed. The deadline for the 2018 applications was March 1st, 2018.

For more information on the application process, please visit the [Nominations Procedures](#) page or email chemhero@acs.org.



ACS Webinars

Hundreds of webinars presented by subject matter experts in the chemical enterprise. LIVE every Thursday at 11am PST (2pm ET)!



Science Cafés & Lectures

► These Science Cafés & Lectures are free and are open to all ages. ◀

Science in the City - Lectures by the Pacific Science Center

The Pacific Science Center organizes an excellent Science Lecture series. Please take a look:

<https://www.pacificsciencecenter.org/lectures>

Science on Tap

Science on Tap is another science café that meets in Seattle, WA. Information regarding the next Science on Tap event can be found on their website: <http://www.scienceontap.org>

Younger Chemists Committee

YCC Fall Events

Dear YCC,

Stay tuned for more info!

Michael
YCC Chair



Mark Your Calendar

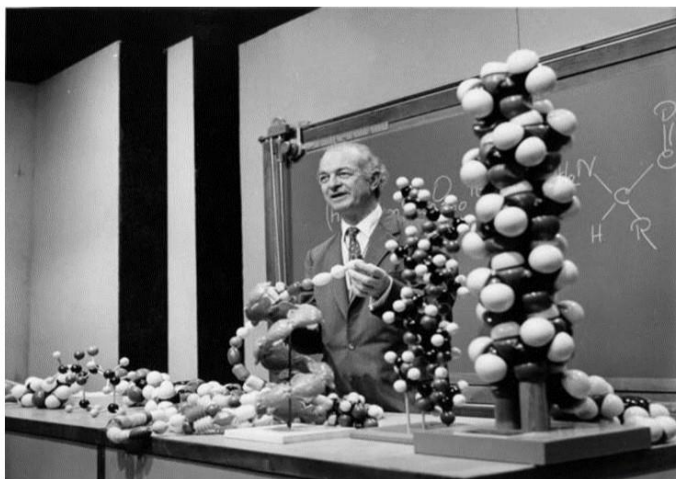
November ACS Puget Sound Section Executive Committee Meeting Rescheduled from Nov 12th to Nov 5th, 2018.

ACS PSS Executive Committee meetings are usually held on the second Monday of every month (excluding July and August). The second Monday of November (i.e. November 12th, 2018) is Veteran's Day. In light of this, we have rescheduled the November Executive Committee meeting to Monday, November 5th, 2018 starting at 7:00pm. The location will be the standard location:

North Seattle Community College - 9600 College Way N, Seattle WA 98103
Room 2328C - South end of the 2nd floor of the Instruction Building (IB)
Campus Map: <https://northseattle.edu/locator>

Mark Your Calendar

2018 Pauling Medal Award Symposium



2018 LINUS PAULING MEDAL AWARD SYMPOSIUM

CELEBRATING PROFESSOR GERALDINE RICHMOND

Presidential Chair in Science and Professor of Chemistry
University of Oregon



Symposium Information

12:30 PM Sign-in
1:00 – 5:30 PM Symposium
5:30 – 7:00 PM Reception and Poster Session
7:00 – 9:00 PM Banquet Dinner with talk by Professor Richmond

The symposium and reception are free and open to the public.

Register for the symposium and/or purchase banquet tickets (\$35 General Banquet, \$10 Student Banquet) online:

<https://www.uwb.edu/physical-sciences/2018-pauling-medal>

Symposium Speakers

—
Professor Veronica Vaida
University of Colorado

—
Professor Anne McCoy
University of Washington

—
Professor Rob Walker Montana
State University

—
Awardee
Professor Geraldine Richmond
University of Oregon

UNIVERSITY OF WASHINGTON BOTHELL

Discovery Hall
18115 Campus Way NE
Bothell, WA 98011

November 17, 2018



Mark Your Calendar

2019 Career Event

Please pass the word along! This is a great event for undergraduates to gain some perspective on potential careers in chemistry. Read more about the career event on the [webpage](#).

REGISTER HERE

**American Chemical Society- Puget Sound Section
presents an informative afternoon on**

“Careers in Chemistry for Undergraduates”

on February 27th 2019, 1-5 PM

at the

**Water and Land Resources Division
King County Environmental Laboratory**

322 West Ewing Place, Seattle WA 98119

<https://www.kingcounty.gov/depts/dnrp/wlr/sections-programs/environmental-lab.aspx>

Keynote Speaker: Stephanie Jaeger, M.S.

Water Quality Planner II / Oceanographer, King County Environmental Labs

“Water Quality Dynamics in Central Puget Sound: How can long-term monitoring assess for potential impairments?”

Event includes lab tours, a career panel discussion, and the keynote speaker

Recommended for all undergraduate science students

Free admission and open to all. Space is limited

Please Register by February 10th, 2019

Registration is limited to 50 participants. Register at <http://pugetsound.sites.acs.org/>

For more information: bopegedd@evergreen.edu



Mark Your Calendar

2019 Undergraduate Research Symposium

The 2019 Undergraduate Research Symposium is planned to be held at the University of Puget Sound on Saturday, April 27th, 2019.

Careers

Job Openings

Visit our [web page](#) for current job opportunities.

[Assistant Professor of Chemistry \(Analytical\) \(Whitworth University\)](#)

Deadlines: See job posting

Location: Spokane, WA

ACS PSS Posting Date: 09/30/2018

Brief Description: The Chemistry Department at Whitworth University invites applications for a tenure-track position in chemistry at the rank of Assistant Professor. Applicants in Analytical Chemistry and all related sub-disciplines are welcome to apply. Candidates must demonstrate a strong commitment to teaching excellence and the ability to establish a robust research program, which is competitive for external funding and involves undergraduate research assistants.

View PDF of Job Posting: [Link](#)

[Chemistry/Science Education TT Faculty Position \(Western Washington University\)](#)

Deadlines: 09/17/2018

Location: Bellingham, WA

ACS PSS Posting Date: 07/27/2018

Brief Description: Applications are invited for one tenure track position at the assistant or associate professor levels in chemistry with a specialization in science education. This will be a joint appointment between the chemistry department and the Science, Math and Technology Education (SMATE) program at Western Washington University (WWU) in Bellingham, WA, beginning September 2019. The chemistry department and SMATE program are committed to WWU's goal of recruiting and retaining diverse faculty, and welcome applications from diverse candidates. The ideal candidate will enhance our existing strengths in education and research by teaching chemistry and teacher preparation courses as well as leading an active research program in science education. A Ph.D. by hire date is required. Please see the full position announcement for all required and preferred qualifications and to apply:

<http://employment.wwu.edu/cw/en-us/job/495871/>. Inquiries may be addressed to Prof. Emily Borda at (360) 650-3135 or bordae@wwu.edu. WWU is an AA/EO employer. For disability accommodation call (360) 650-3774. Review of applications begins September 17, 2018; position open until filled.

View PDF of Job Posting: N/A

Careers

Internships

King County Internships - <http://www.kingcounty.gov/audience/employees/careers/jobs.aspx>

Washington Conservation Corps - <http://www.ecy.wa.gov/wcc/index.html>

Ecology Youth Corps - <http://www.ecy.wa.gov/programs/swfa/eyc/index.html>

ACS Job and Career Resources

ACS Career Navigator - <http://www.acs.org/content/acs/en/careers.html>

National ACS Job Postings - <http://chemistryjobs.acs.org/jobs>

ACS Puget Sound Job Page – <http://pugetsound.sites.acs.org/jobsandcareerresources.htm>

Roster

ACS Puget Sound - Executive Committee	
Chair	Leonard J. Andrews
Chair Elect	Vacant
Past Chair	Karen Goodwin
Secretary	Michael Meechan
Treasurer	David Munch
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2020)	David Patrick
Councilor - Position 2 (2018)	Gregory Milligan
Councilor - Position 3 (2019)	Craig Fryhle
Councilor - Position 4 (2020)	Dharshi Bopegedera
Councilor - Position 5 (2018)	Despina Strong
Alternate Councilor - Position 1 (2020)	Gwen Gross
Alternate Councilor - Position 2 (2018)	Amar Yahiaoui
Alternate Councilor - Position 3 (2019)	Carole Berg
Alternate Councilor - Position 4 (2020)	Charity Lovitt
Alternate Councilor - Position 5 (2018)	Natalie Merrill

Other Outstanding Volunteers	
Awards Committee Chair	TBA
Career Event Committee Chair	Dharshi Bopegedera
Communications Committee Chair	Jonathan Clark
Earth Day Committee Chair	Karen Goodwin
Education Committee Chair	Jennie Mayer
Finance Committee Chair	David Munch
Hospitality Committee Chair	Carole Berg
Pauling Medal Symposium Committee Chair	Charity Lovitt
Long Range Planning Committee Chair	Vacant
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	Karen Goodwin
Program Committee Chairs	Leonard Andrews
Public Relations Committee Chair	Craig Fryhle
Safety Committee	Natalie Merrill
Senior Chemists Committee	Despina Strong
Sustainability Committee Chair	Natalie Merrill
Undergraduate Research Symposium Committee Chair	Neal Yakelis
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Despina Strong
Younger Chemists Committee Chair	Michael Meechan



ACS
Chemistry for Life®